

LIGHT EMITTING DIODE DRIVER

ABSTRACT OF THE DISCLOSURE

5 A LED driver is disclosed. The LED driver includes a high frequency
inverter and an impedance circuit. The high frequency inverter operates to
produce a high frequency voltage source whereby the impedance circuit directs a
flow of alternating current through a LED array including one or more anti-parallel
LED pairs, one or more anti-parallel LED strings, and/or one or more anti-parallel
10 LED matrixes. A transistor can be employed to divert the flow of the alternating
current from the LED array, or to vary the flow of the alternating current through
LED array.